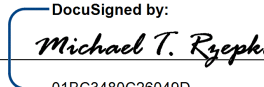



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TIP NO.	SHEET NO.
U-5745	PMP-1
APPROVED: 	
DATE: 12/17/2018	
	
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**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
DURHAM COUNTY**

**LOCATION: INTERSECTION IMPROVEMENTS (ROUNDAABOUT)  
AT NC 751 (HOPE VALLEY ROAD) AND SR 1183  
(UNIVERSITY DRIVE) IN DURHAM**

**T.I.P.: U-5745**

**CONTRACT: DE00266**

**INDEX**

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE SHEET, INDEX, STANDARDS, AND GENERAL NOTES
PMP-2	FINAL PAVEMENT MARKING PLAN AND FINAL PAVEMENT MARKING SCHEDULE

**GENERAL NOTES**

- THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.
- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:
 

ROAD NAME	MARKING	MARKER
ALL	THERMOPLASTIC	PERMANENT RAISED
  - B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
  - C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
  - D) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.
  - E) ALL BICYCLE LANE SYMBOLS SHALL BE HEATED-IN-PLACE THERMOPLASTIC. SYMBOLS SHALL BE PAID FOR USING THE HEATED-IN-PLACE PAY ITEM.

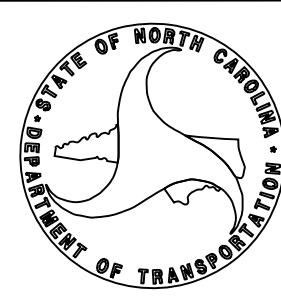
**ROADWAY STANDARD DRAWING**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - 2-LANE AND MULTILANE ROADWAYS
1205.07	PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT

PLAN SUBMITTED TO: N.C.D.O.T. DIVISION 5

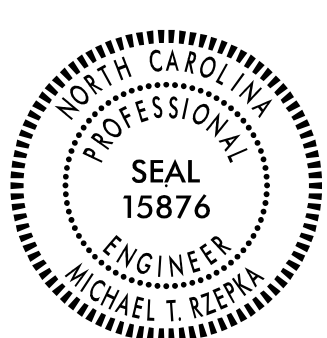
S. R. DAVIDSON, P.E. DIVISION DESIGN ENGINEER

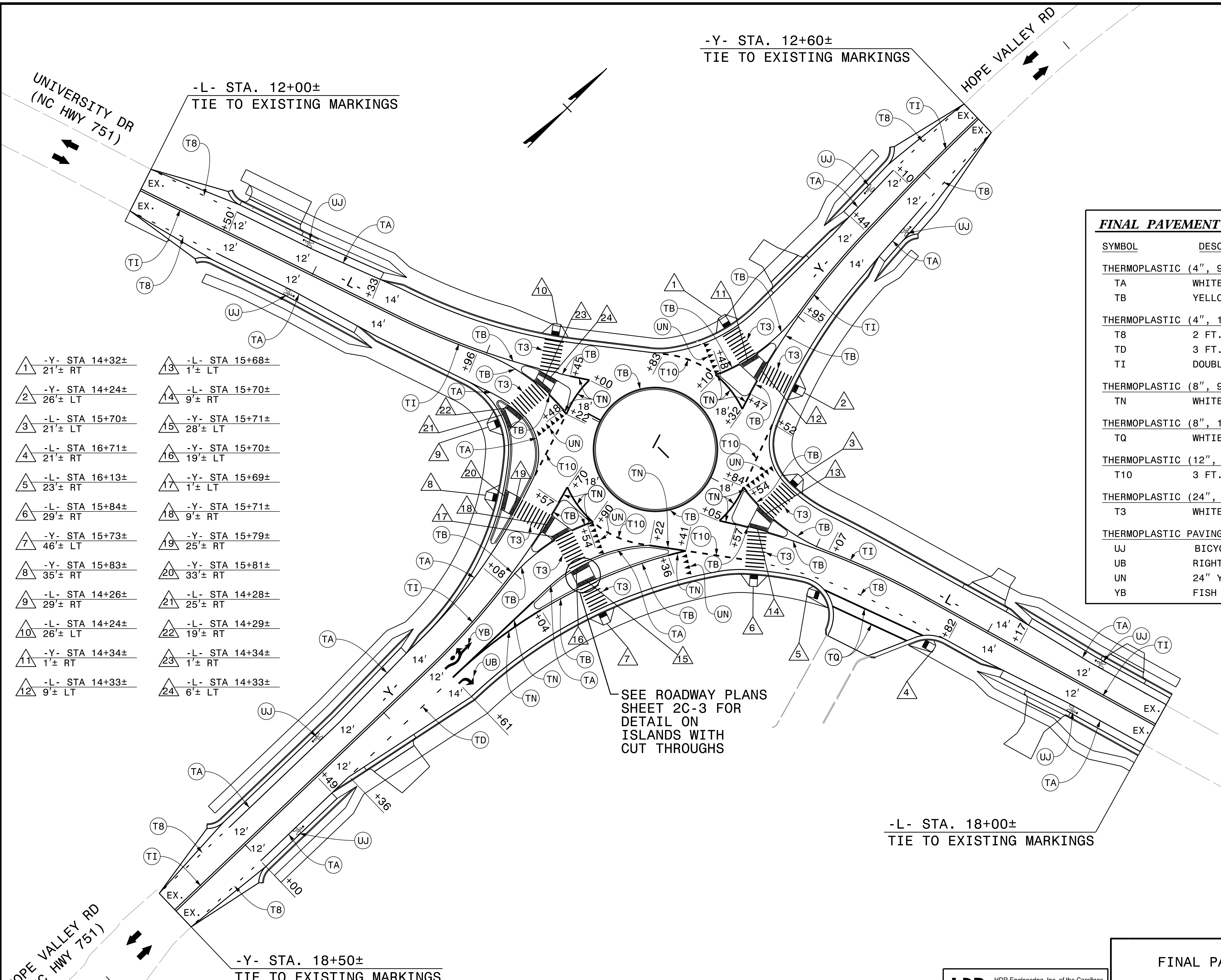


PLAN PREPARED BY: HDR /ICA

M. T. RZEPKA, P.E. PROJECT ENGINEER  
C. HARNDEN DESIGN ENGINEER  
Y. MARIOTTE DESIGN TECHNICIAN

**HDR** HDR Engineering, Inc. of the Carolinas  
 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116

TIP NO. U-5745	SHEET NO. PMP-2
APPROVED: <i>Michael T. Rzepka</i> <small>DocuSigned by: Michael T. Rzepka 018C3480C26049D...</small>	
DATE: 12/17/2018	
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- |                              |                              |
|------------------------------|------------------------------|
| 1 -Y- STA 14+32±<br>21'± RT  | 13 -L- STA 15+68±<br>1'± LT  |
| 2 -Y- STA 14+24±<br>26'± LT  | 14 -L- STA 15+70±<br>9'± RT  |
| 3 -L- STA 15+70±<br>21'± LT  | 15 -Y- STA 15+71±<br>28'± LT |
| 4 -L- STA 16+71±<br>21'± RT  | 16 -Y- STA 15+70±<br>19'± LT |
| 5 -L- STA 16+13±<br>23'± RT  | 17 -Y- STA 15+69±<br>1'± LT  |
| 6 -L- STA 15+84±<br>29'± RT  | 18 -Y- STA 15+71±<br>9'± RT  |
| 7 -Y- STA 15+73±<br>46'± LT  | 19 -Y- STA 15+79±<br>25'± RT |
| 8 -Y- STA 15+83±<br>35'± RT  | 20 -Y- STA 15+81±<br>33'± RT |
| 9 -L- STA 14+26±<br>29'± RT  | 21 -L- STA 14+28±<br>25'± RT |
| 10 -L- STA 14+24±<br>26'± LT | 22 -L- STA 14+29±<br>19'± RT |
| 11 -Y- STA 14+34±<br>1'± RT  | 23 -L- STA 14+34±<br>1'± RT  |
| 12 -L- STA 14+33±<br>9'± LT  | 24 -L- STA 14+33±<br>6'± LT  |

**FINAL PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION
<b>THERMOPLASTIC (4", 90 mils)</b>	
TA	WHITE EDGELINE
TB	YELLOW EDGELINE
<b>THERMOPLASTIC (4", 120 mils)</b>	
T8	2 FT.-6 FT. WHITE MINISKIP
TD	3 FT.-9 FT. WHITE MINISKIP
TI	DOUBLE YELLOW CENTER LINE
<b>THERMOPLASTIC (8", 90 mils)</b>	
TN	WHITE GORELINE
<b>THERMOPLASTIC (8", 120 mils)</b>	
TQ	WHITE CROSSWALK LINE
<b>THERMOPLASTIC (12", 120 mils)</b>	
T10	3 FT.-3 FT./SP WHITE MINISKIP
<b>THERMOPLASTIC (24", 120 mils)</b>	
T3	WHITE CROSSWALK
<b>THERMOPLASTIC PAVING MARKING SYMBOL (90 mils)</b>	
UJ	BICYCLE SYMBOL
UB	RIGHT TURN ARROW
UN	24" YIELD LINE TRIANGLE
YB	FISH HOOK W/CIRCLE LEFT/STRAIGHT ARROW

SEE ROADWAY PLANS  
SHEET 2C-3 FOR  
DETAIL ON  
ISLANDS WITH  
CUT THROUGHS

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**FINAL PAVEMENT MARKING PLAN  
&  
FINAL PAVEMENT MARKING SCHEDULE**